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Date: MAY 15, 2003

From: Peter Corless Fax: _____ Direct: _____
To: Examiner Jeffrey Fax: _____ Direct: _____
To: USPTO Art Unit 3742 Fax: _____ Direct: _____
To: _____ Fax: _____ Direct: _____

Pages: 12
(including cover sheet)

If you received a partial delivery, please call _____ at _____.

Re: USSN 10/090 469

Examiner Jeffrey:

Enclosed is a copy of the previously filed response as discussed. Best regards,

Fax

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Practitioner's Docket No. 55567 (72011)

PATENT

#6A
5/17/02
GJ

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: C. Willkens
Application No.: 09/828,484-10/090468
Filed: March 4, 2002
For: CERAMIC IGNITERS

Group No.: 3742
Examiner: J. Jeffrey

**Assistant Commissioner for Patents
Washington, D.C. 20231**

AMENDMENT TRANSMITTAL

1. Transmitted herewith is an amendment for this application.

STATUS

2. Applicant is
[] a small entity.
[X] other than a small entity.

EXTENSION OF TERM

NOTE: "Extension of Time in Patent Cases (Supplement Amendments) -- If a timely and complete response has been filed after a Non-Final Office Action, an extension of time is not required to permit filing and/or entry of an additional amendment after expiration of the shortened statutory period.

If a timely response has been filed after a Final Office Action, an extension of time is required to permit filing and/or entry of a Notice of Appeal or filing and/or entry of an additional amendment after expiration of the shortened statutory period

CERTIFICATE OF MAILING/TRANSMISSION (37 C.F.R. 1.8(a))

I hereby certify that, on the date shown below, this correspondence is being:

MAILING

[X] deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

FACSIMILE

[] transmitted by facsimile to the Patent and
Trademark Office.

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see 411 Glau

Date: 4/3/03

Susan M. Dillon
(type or print name of person certifying)

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unless the timely-filed response placed the application in condition for allowance. Of course, if a Notice of Appeal has been filed within the shortened statutory period, the period has ceased to run." Notice of December 10, 1985 (1061 O.G. 34-35).

NOTE: See 37 C.F.R. 1.645 for extensions of time in interference proceedings, and 37 C.F.R. 1.550(c) for extensions of time in reexamination proceedings.

3. The proceedings herein are for a patent application and the provisions of 37 C.F.R. 1.136 apply.

(complete (a) or (b), as applicable)

(a) Applicant petitions for an extension of time under 37 C.F.R. 1.136 (secs: 37 C.F.R. 1.17(a)(1)-(4)) for the total number of months checked below:

Extension (months)	Fee for other than <u>small entity</u>	Fee for <u>small entity</u>
[] one month	\$110.00	\$55.00
[] two months	\$410.00	\$205.00
[X] three months	\$930.00	\$465.00
[] four months	\$1,450.00	\$725.00
[] five months	\$1,970.00	\$985.00

Fee: \$ 930.00

If an additional extension of time is required, please consider this a petition therefor.

(check and complete the next item, if applicable)

[] An extension for _____ months has already been secured. The fee paid therefor of \$ _____ is deducted from the total fee due for the total months of extension now requested.

Extension fee due with this request \$ 930.00

OR

(b) Applicant believes that no extension of term is required. However, this conditional petition is being made to provide for the possibility that applicant has inadvertently overlooked the need for a petition for extension of time.

05/19/2003 TTUTT2 00000001 041105 10090468
01 FC:1253 930.00 CH

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FEE FOR CLAIMS

4. The fee for claims (37 C.F.R. 1.16(b)-(d)) has been calculated as shown below:

(Col.1)	(Col. 2)	(Col. 3) SMALL ENTITY	OTHER THAN A SMALL ENTITY				
			Claims Remaining After Amendment	Highest No. Previously Paid For	Present Extra	Rate	Addit. Fee
Total	*	Minus	**	=		x \$9 = \$0	x \$18 = \$
Indep.	*	Minus	***	=		x \$42 = \$0	x \$84 = \$0
		[] First Presentation of Multiple Dependent Claim				+ \$140 = \$0	+ \$280 = \$0
						Total Addit. Fee \$	OR Total Addit. Fee \$

* If the entry in Col. 1 is less than the entry in Col. 2, write "0" in Col. 3.

** If the "Highest No. Previously Paid For" IN THIS SPACE is less than 20, enter "20".

*** If the "Highest No. Previously Paid For" IN THIS SPACE is less than 3, enter "3".
The "Highest No. Previously Paid For" (Total or Indep.) is the highest number found in the appropriate box in Col. 1
of a prior amendment or the number of claims originally filed.

WARNING: "After final rejection or action (§ 1.113) amendments may be made canceling claims or complying with any requirement of form which has been made." 37 C.F.R. 1.116(a) (emphasis added).

(complete (c) or (d), as applicable)

(c) [] No additional fee for claims is required.
OR
(d) [] Total additional fee for claims required \$ ____.

FEE PAYMENT

5. [X] Attached is a check in the sum of \$ 930.00.
[] Charge Account No. _____ the sum of \$ _____.
A duplicate of this transmittal is attached.

FEE DEFICIENCY

NOTE: If there is a fee deficiency and there is no authorization to charge an account, additional fees are necessary to cover the additional time consumed in making up the original deficiency. If the maximum, six-month period has expired before the deficiency is noted and corrected, the application is held abandoned. In those instances where authorization to charge is included, processing delays are encountered in returning the papers to the PTO Finance Branch in order to apply these charges prior to action on the cases. Authorization to charge the deposit account for any fee deficiency should be checked. See the Notice of April 7, 1986, (1065 O.G. 31-33).

6. [X] If any additional extension and/or fee is required, charge Account No. 04-1105.

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AND/OR

If any additional fee for claims is required, charge Account No. 04-1105



SIGNATURE OF PRACTITIONER

Reg. No. 33,860

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(type or print name of practitioner)

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(Amendment Transmittal -- page 4 of 4)

Docket No. 55567

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: C. Willkens

SERIAL NO.: 09/828,484

EXAMINER: J. Jeffrey

FILED: March 4, 2002

GROUP: 3742

FOR: CERAMIC IGNITERS

THE HONORABLE COMMISSIONER OF PATENTS AND TRADEMARKS
WASHINGTON, DC 20231

SIR:

AMENDMENT

Applicant is in receipt of the Office Action dated October 3, 2002. Please amend the above-identified application as follows.

IN THE CLAIMS

Please amend the following claims.

1. (amended) A sintered ceramic igniter element comprising a conductive zone, a power booster zone, and a hot zone,
the booster zone having a PTCR and a resistivity greater than the conductive zone and less than the hot zone,
the hot zone having a resistivity greater than the booster zone,
wherein the hot zone path length is about 2 cm or less.

4. (amended) An igniter element of claim 1 wherein the igniter comprises in sequence the conductive zone, the booster zone and the hot zone.